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<p>(21) International Application Number: PCT/US97/01010</p> <p>(22) International Filing Date: 16 January 1997 (16.01.97)</p> <p>(30) Priority Data: 08/586,594 16 January 1996 (16.01.96) US 08/599,974 14 February 1996 (14.02.96) US</p> <p>(71) Applicant: THE ROCKEFELLER UNIVERSITY [US/US]; 1230 York Avenue, New York, NY 10021-6399 (US).</p> <p>(72) Inventors: FRIEDMAN, Jeffrey, M.; Apartment 17B, 500 East 63rd Street, New York, NY 10021 (US). LEE, Gwo-hwa; Apartment 37N, 504 East 63rd Street, New York, NY 10021 (US). PROENCA, Ricardo; 26-62 30th Street, Astoria, NY 11102 (US). IOFFE, Ella; Apartment 21D, 500 East 63rd Street, New York, NY 10021 (US).</p> <p>(74) Agents: FEHLNER, Paul, F. et al.; Klauber &amp; Jackson, 411 Hackensack Avenue, Hackensack, NJ 07601 (US).</p>	<p>(81) Designated States: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>	
<p>(54) Title: DB, THE RECEPTOR FOR LEPTIN, NUCLEIC ACIDS ENCODING THE RECEPTOR, AND USES THEREOF</p> <p>(57) Abstract</p> <p>The present invention relates to identification of a receptor for a satiety factor, which is involved in body weight homeostasis. Mutations in this receptor are associated with obese phenotypes. In particular, the present invention relates to identification and characterization of the receptor for leptin, including a naturally occurring soluble form of the receptor that is expected to modulate leptin activity, in particular to agonize leptin activity. The invention further relates to the nucleic acids encoding the receptor, and to methods for using the receptor, e.g., to identify leptin analogs, therapeutically, such as in gene therapy or in soluble form as an agonist or antagonist of leptin activity, or diagnostically.</p>		

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